



FIG. 2

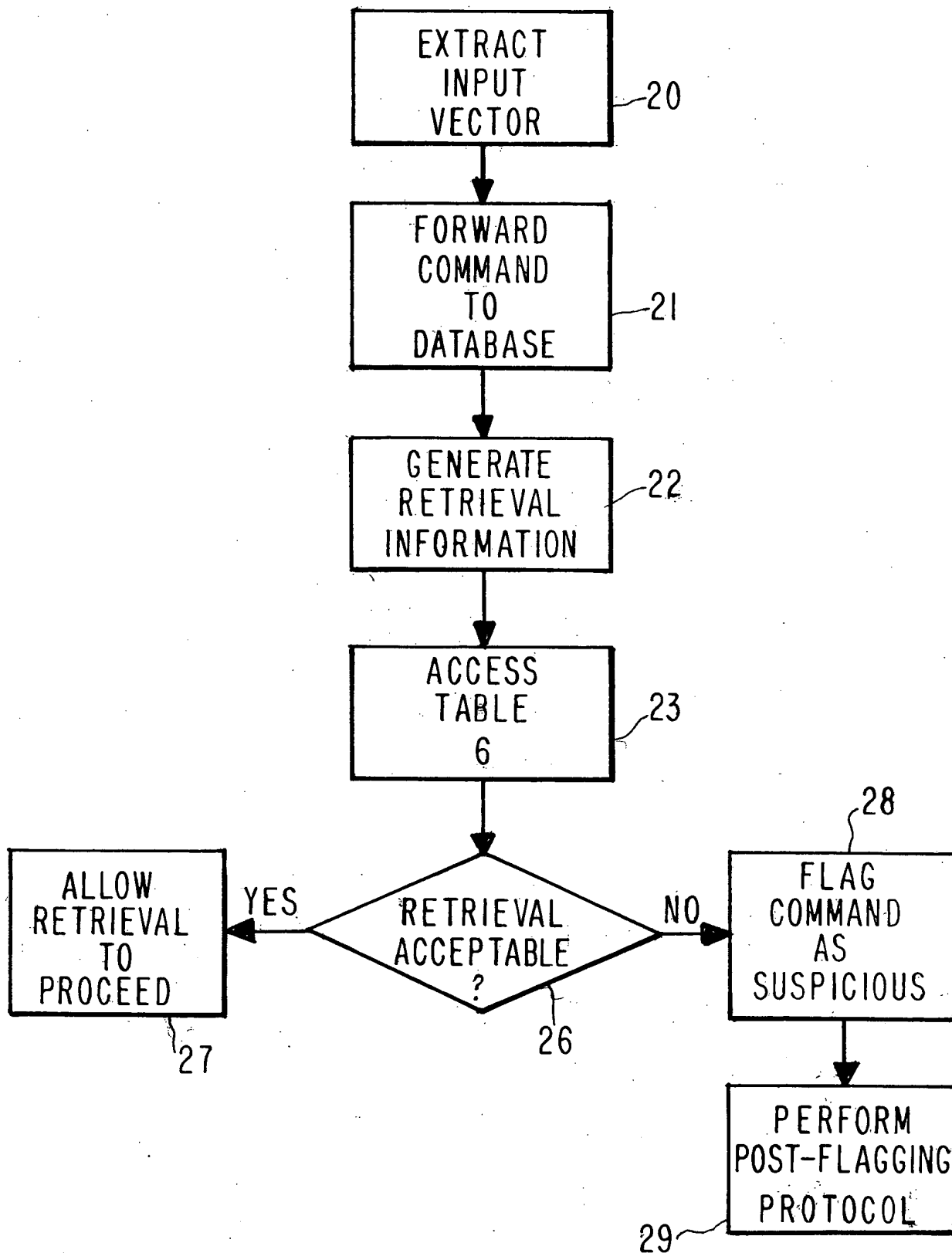




FIG.3

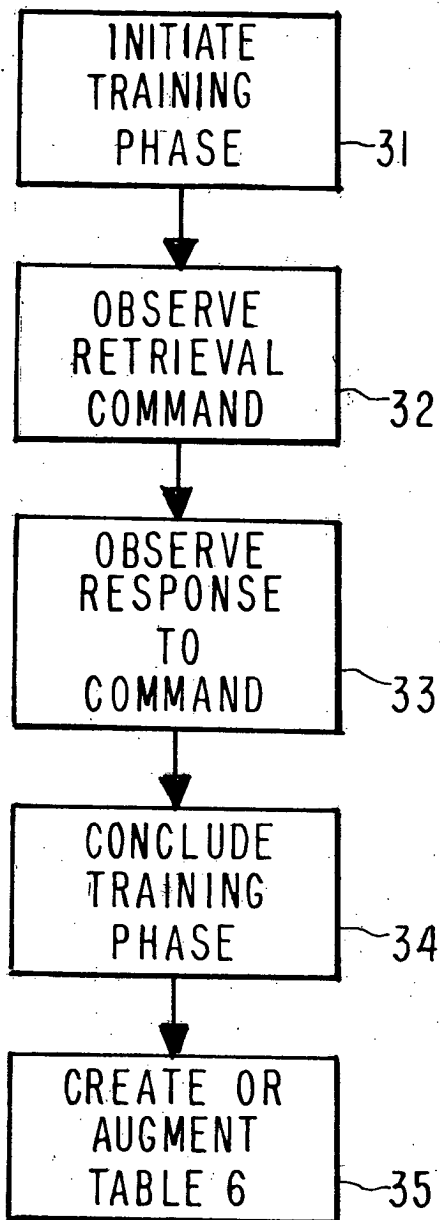
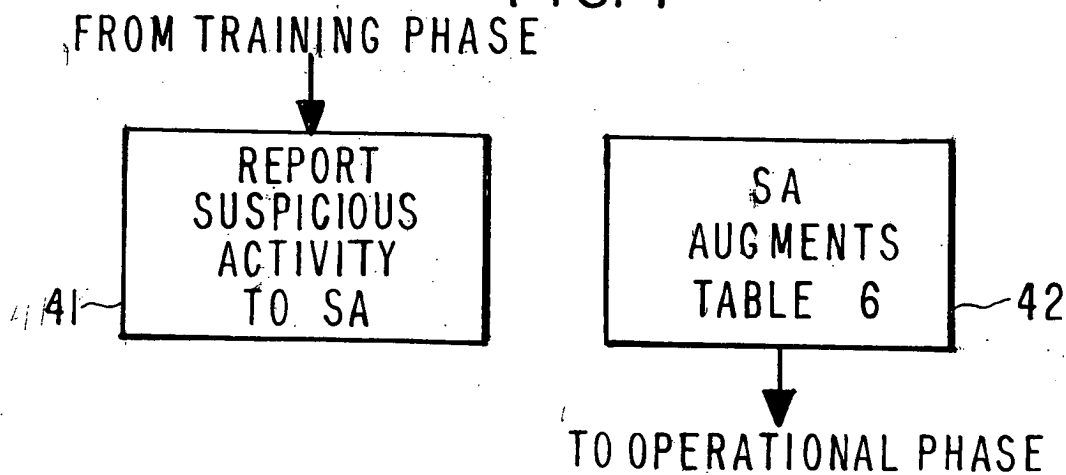


FIG.4



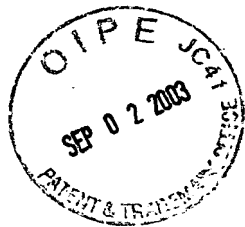


FIG.5

ENTRY #	INPUT VECTOR	RETRIEVAL INFORMATION
1	PRESENT COMMAND	5 ROWS 3 COLUMNS COLUMNS A, J, AND K S= 2000 ROWS/SECOND D= 2300 COLUMNS/SECOND } RETRIEVAL VECTOR
2	NONE	RATE OF RETRIEVING ROWS WAS 2000 ROWS/SECOND ACROSS ALL COMMANDS
3	$L_1 F_1 A_1$	RETRIEVAL VECTOR 1 5 ROWS, 3 COLUMNS - 963 OCCURRENCES RETRIEVAL VECTOR 2 7 ROWS, 2 COLUMNS - 51 OCCURRENCES S= 1.1 ROW/SECOND D= 2.3 COLUMNS/SECOND

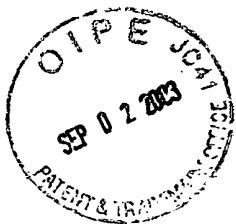


FIG. 6

ENTRY #	INPUT VECTOR	RULES
1	NONE	RULE 5 : NO MORE THAN 1000 ROWS/SEC. CAN EVER BE RETRIEVED BY ANYBODY
2	$L_1 F_1 A_1$	RULE 1 : BETWEEN 4 AND 6 ROWS; AND BETWEEN 2 AND 4 COLUMNS ARE ACCEPTABLE RULE 2 : BETWEEN 6 AND 8 ROWS; AND BETWEEN 1 AND 3 COLUMNS ARE ACCEPTABLE RULE 3 : S BETWEEN 1.0 AND 1.2 IS ACCEPTABLE RULE 4 : D BETWEEN 2.2 AND 2.4 IS ACCEPTABLE
3	L_1	RULE 6 : NO RETRIEVALS ARE ALLOWED BETWEEN 6 P.M. AND MIDNIGHT UNLESS RULE 7 IS SATISFIED
4	F_1	RULE 7 : D LESS THAN 10/MINUTE